



(19) Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

0 435 141 A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 90124636.3

(51) Int. Cl.⁵: G06F 15/16

(22) Date of filing: 18.12.90

(30) Priority: 26.12.89 JP 336965/89

Inventor: Orimo, Masayuki

5-1-1-510, Hakusan

Asao-ku, Kawasaki-shi(JP)

Inventor: Fujise, Hiroshi

Paku Hiruzu L-808, 553-1, Shinanochō

Totsuka-ku, Yokohama-shi(JP)

Inventor: Takeuchi, Masuyuki

7-102, Shiroyama, 4589

Oba, Fujisawa-shi(JP)

Inventor: Iwamoto, Shoji

100-14-11-104, Midorichomidorigaoka

Owariasahi-shi(JP)

Inventor: Suzuki, Hitoshi

26, Kitahonjigaharacho-1-chome

Owariasahi-shi(JP)

(43) Date of publication of application:
03.07.91 Bulletin 91/27

(84) Designated Contracting States:
DE FR GB

(88) Date of deferred publication of the search report:
27.01.93 Bulletin 93/04

(71) Applicant: HITACHI, LTD.
6, Kanda Surugadai 4-chome
Chiyoda-ku, Tokyo 100(JP)

(72) Inventor: Kawano, Katsumi
Haitsu Usui 202, 287, Shimoasao
Asao-ku, Kawasaki-shi(JP)
Inventor: Mori, Kinji
15-8, Kanai-1-chome
Machida-shi(JP)

(74) Representative: Strehl, Schübel-Hopf,
Groening
Maximilianstrasse 54 Postfach 22 14 55
W-8000 München 22(DE)

(54) Computer equipped with plural processors.

(57) A loosely coupled multiprocessor computer (1) includes an input/output control unit (34, 35) for fetching both a program and data derived from an external input device and also for outputting processed data to an external output device; storage (32) for storing therein both the program and data inputted from said input/output control unit; process unit (33) for sequentially executing a processing operation of the data based upon the program stored in the storage; and, a transmission medium for coupling the process unit, input/output control unit and storage with each other. In the loosely coupled multiprocessor computer, a serial transmission medium

(2) is employed as the transmission medium; transmission control unit (31) for performing both a conversion process between data to be transmitted, flowing through the serial transmission medium and the processed data, and also a transmission/reception process of the data to be transmitted via the serial transmission medium, is provided with the input/ output control unit, storage and process unit; and furthermore, unit process unit for controlling the input/output control unit, storage, and transmission control unit is provided with the input/output control unit and storage with the transmission control unit.

EP 0 435 141 A3

FIG. 1a

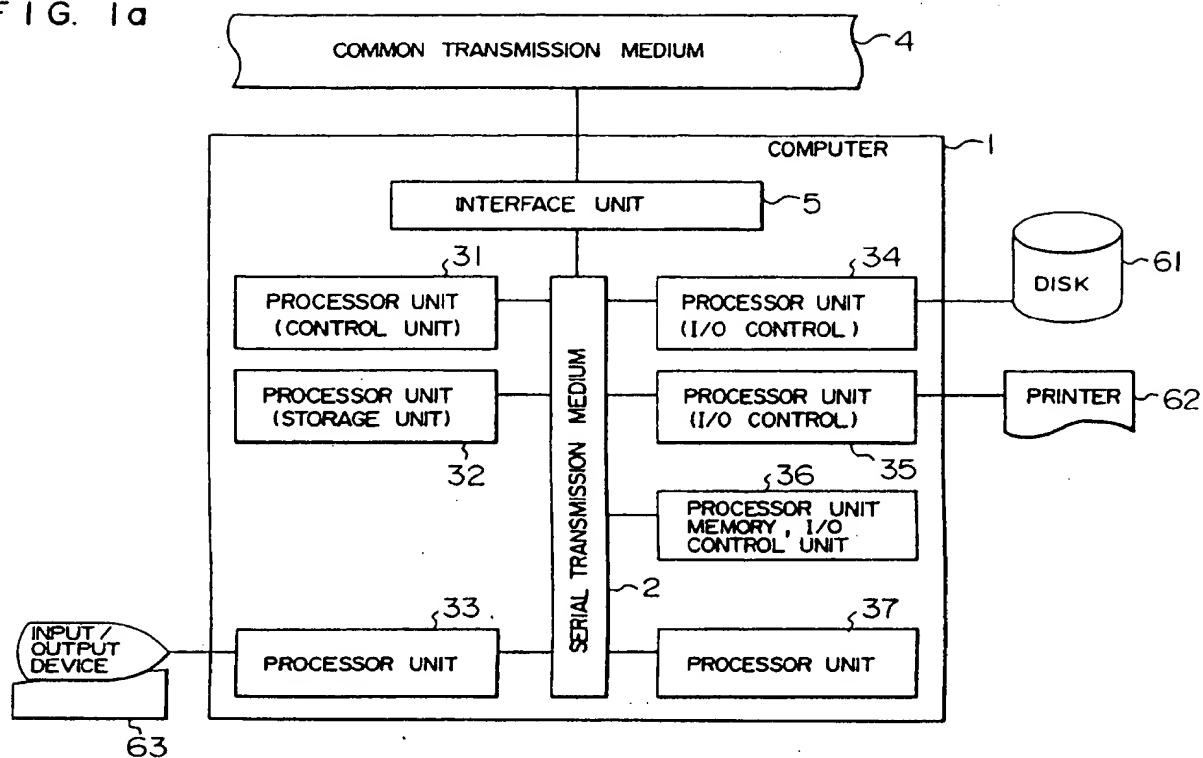


FIG. 1b

